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**Life Science Interactions of Living Things (Chapter 18 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words:**

Ecology-

Biotic-

Abiotic-

Population-

Community-

Ecosystem-

Biosphere-

Herbivore-

Carnivore-

Omnivore-

Energy pyramid-

Symbiosis-

Coevolution-

*Respond to the following:*

How are populations and communities related? Explain. (2 pts)

List 2 examples of both biotic and abiotic factors in an ecosystem. Describe how these factors affect populations in an environment. (4 pts)

What are the five levels of environmental organization? Describe a situation/organism that is unique to each level of organization. (5 pts)

Describe the functions of producers, consumers, and decomposers in an ecosystem. Give an example of an organism that is from each category. (6 pts)

Distinguish between a food chain and a food web. Be specific. (1 pt)

Distinguish between mutualism, commensalism, and parasitism. Give an example that is unique to each type of symbiosis. (6 pts)

Explain the relationship between carrying capacity and limiting factors. Be specific in your explanation. (2 pts)

Describe two types of competition. (2 pts)

Give an example of coevolution. (1 pt)

***ABOUT THE READING:***

Write three things that you learned about Interactions of Living Things*:*

*Make sure to write a full sentence.*

*Example: I learned that abiotic factors in the environment are nonliving factors in an environment that can limit population size.*

*1.*

*2.*

*3.*